

What is claimed is:

- 1                   1.       A fluid quick connector comprising:  
2                   a connector housing configured to mate with a male endform along a  
3                   first axis through a bore in the housing; and  
4                   a contact member carried on the housing in the bore and adapted for  
5                   electrical contact with the male endform when the male endform is inserted into the  
6                   bore in the housing.
  
- 1                   2.       The fluid quick connector of claim 1 wherein the contact  
2                   member comprises:  
3                   at least one finger carried with the housing and extending into the bore  
4                   in the housing.
  
- 1                   3.       The fluid quick connector of claim 2 wherein:  
2                   the at least one finger is integrally formed as a unitary part of the  
3                   housing.
  
- 1                   4.       The fluid quick connector of claim 2 wherein the at least one  
2                   finger further comprises:  
3                   a plurality of circumferentially spaced fingers carried on the housing.
  
- 1                   5.       The fluid quick connector of claim 4 wherein the plurality of  
2                   fingers comprise:  
3                   three equi-circumferentially spaced fingers.
  
- 1                   6.       The fluid quick connector of claim 4 wherein:  
2                   an inner diameter between the contact fingers is smaller than an outer  
3                   diameter of the male endform.

1                   7.       The fluid quick connector of claim 1 wherein:  
2                   the contact member is positioned in the bore in the housing for  
3 engagement with a tip end of the male endform when the male endform is fully  
4 inserted into the quick connector housing.

1                   8.       The fluid quick connector of claim 1 wherein the contact  
2 member comprises:  
3                   at least one projection integral with the housing, the at least one  
4 projection extending radially inward into the bore in the housing.

1                   9.       The fluid quick connector of claim 8 wherein:  
2                   the at least one projection is integrally formed as a unitary part of the  
3 housing.

1                   10.      The fluid quick connector of claim 8 wherein the at least one  
2 projection comprises:  
3                   a plurality of circumferentially spaced projections carried on the  
4 housing.

1                   11.      The fluid quick connector of claim 8 wherein the at least one  
2 projection comprises:  
3                   three equi-circumferentially spaced projections carried on the housing.

1                   12.      The fluid quick connector of claim 8 wherein:  
2                   the contact member is mounted in the bore of the housing to engage a  
3 tip end of the male endform when the male endform is fully inserted into the bore in  
4 the housing.

1                   13.      The fluid quick connector of claim 10 wherein:  
2                   an inner diameter between the projections is less than the outer  
3 diameter of the male endform.

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